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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/731,923	•	12/10/2003	Richard A. Cooper	03-351	6662	
719	7590	08/22/2005		EXAMINER		
CATERPI			KAMEN, NOAH P			
100 N.E. AI PATENT D		REET		ART UNIT	PAPER NUMBER	
PEORIA, I	L 616296	5490		3747		
				DATE MAN ED. 00/22/200	•	

Please find below and/or attached an Office communication concerning this application or proceeding.

			Υ					
	Application No.	Applicant(s)						
	10/731,923	COOPER, RICHARD A.						
Office Action Summary	Examiner	Art Unit						
	Noah Kamen	3747						
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period v Failure to reply within the set or extended period for reply will, by statute. Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).						
Status								
1) Responsive to communication(s) filed on 8 [1]	<u>>5</u>							
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.						
Disposition of Claims								
4)⊠ Claim(s) <u>1-27</u> is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) <u>8-17,19,20 and 26</u> is/are allowed.								
	Claim(s) <u>1,3,4,18,21 and 24</u> is/are rejected.							
7) Claim(s) 2,5-7,22,23,25 and 27 is/are objected								
8) Claim(s) are subject to restriction and/o	r election requirement.							
Application Papers								
9) ☐ The specification is objected to by the Examine	r.							
10)☐ The drawing(s) filed on is/are: a)☐ acce	epted or b) ☐ objected to by the I	Examiner.						
Applicant may not request that any objection to the	* ' '	• • • • • • • • • • • • • • • • • • • •						
Replacement drawing sheet(s) including the correct		•						
11)☐ The oath or declaration is objected to by the Ex	raminer. Note the attached Office	Action or form P1O-152.						
Priority under 35 U.S.C. § 119								
12) ☐ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:								
1. Certified copies of the priority documents	s have been received.							
2. Certified copies of the priority documents	• •							
3. Copies of the certified copies of the prior	•	ed in this National Stage						
application from the International Bureau	, , , ,	ام.						
* See the attached detailed Office action for a list	or the certified copies not receive	·a.						
Attachment(s)								
1) Notice of References Cited (PTO-892)	4) Interview Summary							
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail Do	ate Patent Application (PTO-152)						
Paper No(s)/Mail Date	6) Other:							

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DETAILED ACTION

In light of the newly found art to Scott, applicants' arguments are rendered moot and new rejections follow. Delay in applying this new reference is regretted.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,3,4,18,21, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scott (3998195).

Scott shows feed passages (figure 2) 34 extending into manifold 20, 22. The passages are round and because they round and end at an oblique angle, the opening will be elliptical. While the number of cylinder ports is not set forth, the use of four and six cylinder engines are notoriously old and to have at least four cylinders in Scott for power and smoothness would have been obvious to one of ordinary skill in the art.

NOTE, claim 21 is redundant and should be canceled.

Allowable Subject Matter

Claims 8-17, 19, 20, and 26 are allowed.

Claims 2,5-7,22,23,25, and 27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Noah Kamen whose telephone number is 571 272 4845. The examiner can normally be reached on M-Th 6:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on 571 272 4856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Noah Kamen Primary Examiner Art Unit 3747 Page 3

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